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Journal Information

Journal Title	PHYSICAL REVIEW C
Publisher	AMER PHYSICAL SOC
ISSN	2469-9985
E-ISSN	2469-9993
Database	Clarivate
Domain	Physical Sciences

Classification History

Year	A+	A	B	C
2026		✓	✓	
2025		✓	✓	
2024		✓	✓	
2023		✓	✓	
2021/2022		✓	✓	
2020			✓	
2019		✓	✓	
2018		✓		

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Recent Articles

Differentiable emulation for high-dimensional Bayesian calibration of nuclear reaction models
2026-11-4
Authors: Jin Lei
DOI: 10.1103/9szm-dgtr

Single-particle structure of the semimagic nucleus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mmultiscripts> <mml:mi>Zr</mml:mi> <mml:mprescripts/> <mml:none/> <mml:mn>90</mml:mn> </mml:mmultiscripts> </mml:math> from a nonlocal dispersive optical model
2026-11-4 Vol. 114 Issue 5
Authors: R. A. Ramon, M. C. Atkinson, W. H. Dickhoff
DOI: 10.1103/wdh2-yp45

Bayesian inference of moments of inertia for wobbling motion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mmultiscripts> <mml:mi>Pr</mml:mi> <mml:mprescripts/> <mml:none/> <mml:mn>135</mml:mn> </mml:mmultiscripts> </mml:math>
2026-11-4 Vol. 114 Issue 5
Authors: Yeruoxi Chen, Q. B. Chen, R. V. Jolos
DOI: 10.1103/phhq-9vmt

Tensor analyzing power <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msub> <mml:mi>T</mml:mi> <mml:mn>20</mml:mn> </mml:msub> </mml:math> in the reaction <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow> <mml:mi>γ</mml:mi> <mml:mover> <mml:mi>d</mml:mi> <mml:mo accent="true">⃗</mml:mo> </mml:mover> <mml:mo>→</mml:mo> <mml:mi>p</mml:mi> <mml:mi>n</mml:mi> </mml:mrow> </mml:math> at photon energies 350–680 MeV
2026-11-4
Authors: V. V. Gauzshtein, A. I. Fix, V. I. Ivanov et al.
DOI: 10.1103/y7ml-h1bt

Breakup coupling effects in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msup> <mml:mi/> <mml:mn>6</mml:mn> </mml:msup> </mml:math> Li-induced <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mi>α</mml:mi> </mml:math> transfer reactions on intermediate-mass nuclei
2026-11-4
Authors: S. Q. Peng, D. Y. Pang, W. L. Hai et al.
DOI: 10.1103/mqz3-7xrv

Microscopic spin-parity distributions of fission fragments
2026-11-4
Authors: Guillaume Scamps, Petar Marević, Antonio Bjelčić et al.
DOI: 10.1103/xr21-trz3

Probing <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mi>α</mml:mi> </mml:math> clustering in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msup> <mml:mi/> <mml:mn>12</mml:mn> </mml:msup> </mml:math> C at energies available at the Cooling Storage Ring facility using the jet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow> <mml:mi>A</mml:mi> <mml:mi>A</mml:mi> </mml:mrow> </mml:math> microscopic transport model
2026-11-4
Authors: Subhash Singha
DOI: 10.1103/vjcq-rdgb

Empirical and microscopic evidence for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow> <mml:mi>π</mml:mi> <mml:msub> <mml:mi>h</mml:mi> <mml:mrow> <mml:mn>9</mml:mn> <mml:mi>/</mml:mi> <mml:mn>2</mml:mn> </mml:mrow> </mml:msub> </mml:mrow> </mml:math> configuration assignment to the one-quasiproton band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msup> <mml:mi/> <mml:mn>235</mml:mn> </mml:msup> </mml:math> Np
2026-11-4
Authors: Anshul Dadwal, Xiao-Tao He
DOI: 10.1103/1wkg-771l

Global polarization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mi>Λ</mml:mi> </mml:math> hyperons and its sensitivity to equations of state in low-energy heavy-ion collisions
2026-11-4
Authors: Cong Yi, Shi Pu, Long-Gang Pang et al.
DOI: 10.1103/v61b-pm3d

Decay mechanism of the breakup reaction <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msup> <mml:mi/> <mml:mn>6</mml:mn> </mml:msup> </mml:math> Li+ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:msup> <mml:mi/> <mml:mn>90</mml:mn> </mml:msup> </mml:math> Zr using the dynamical cluster-decay model
2026-11-4
Authors: Kuldeep, Mumtaz Oswal, Ridha Kamil Tahyoor et al.
DOI: 10.1103/dcs8-4fn2